

Medina Dam and Medina Lake

OWNER

Bexar—Medina—Atascosa Counties Water Improvement District Number 1.

ENGINEER (Design)

Bartlett and Ranney, San Antonio.

LOCATION

On the Medina River in Medina County, 16 miles southeast of Bandera. Reservoir extends into Bandera County.

DRAINAGE AREA

634 square miles.

DAM

Type	Gravity concrete structure
Length	1,580 ft
Height	164 ft
Top width	25 ft

SPILLWAY

Location	Right end of dam
Type	Cut through rock
Crest length	880 ft
Crest elevation	1,064.5 ft above msl

OUTLET WORKS

Conduits	3 steel pipes, each 5 ft diameter
Control	Lift type gates
Invert elevation	959.0 ft above msl
Low flow conduits	2 steel pipes, each 2.5 ft diameter
Control	Lift type gates
Invert elevation	912.5 ft above msl

STATE AUTHORIZATION

Certified Filing No. 18 (Declaration of Appropriation November 16, 1910) February 14, 1914, has rights to irrigate 150,000 acres of land. Several other water rights are included due to change of ownership.

RESERVOIR DATA (Based on 1948 Survey) Datum of gage is 7.8 feet below msl, revised 1965 from 7.5.

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	1,076.2	327,250	—
Spillway crest	1,064.2	254,000	5,575
Invert 5-ft diameter outlet	958.7	4,780	—
Invert 2.5-ft diameter outlet	912.2	0	—
Usable storage	—	254,000	—

GENERAL

This project includes Diversion Dam, Medina Canal and laterals.	
Construction started	1912
Dam completed	1913
Impoundment of water began	May 7, 1913
Estimated cost of dam	\$2,739,300

